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(71) Applicant (for all designated States except US): AIRBUS
DEUTSCHLAND GMBH [DE/DE]; Kreetslag 10, 21129
Hamburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MÜHLTHALER,
Georg [DE/DE]; Georg-Bonne-Strasse 81, 22609 Ham-
burg (DE). MARKWART, Michael [DE/DE]; Hartkirch-
ener Chaussee 7 a, 25469 Halstenbek (DE). EDM, An-
dreas [DE/DE]; Kastanienallee 23, 20359 Hamburg (DE).

(74) Agent: BEYER, Andreas; Wuesthoff & Wuesthoff,
Schweigerstrasse 2, 81541 München (DE).

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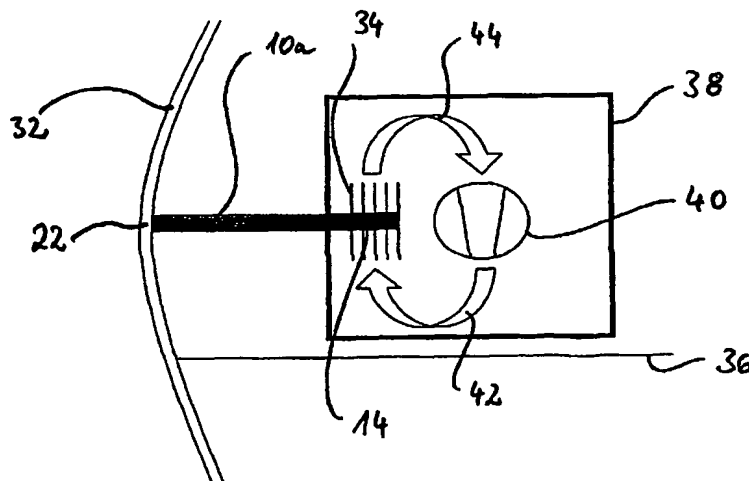
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(54) Title: COOLING SYSTEM AND METHOD FOR EXPELLING HEAT FROM A HEAT SOURCE LOCATED IN THE IN-
TERIOR OF AN AIRCRAFT



(57) Abstract: With a cooling system for expelling heat from a heat source (30) located in the interior of an aircraft to a heat reducer (32), with a piping system (10) sealed against the surrounding atmosphere which is thermally coupled to a heat intake section (14) with the heat source (38) and to a heat output section (22) with the heat reducer (32), and which preferably has an essentially adiabatic transport section (21), it is proposed that the piping system (10) is filled with a heat conveyance medium (12) which, when taking in heat from the heat source (38) in the heat intake section (14) undergoes a transition from the liquid phase to the gaseous phase, then flows into the heat output section (22), and here, when discharging heat to the heat reducer (32) condenses once again, and flows back into the heat intake section (14).

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